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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: While several parts of the State welcomed a few showers this past week, most places continue to endure above average temperatures and not enough rain. Crops may be harvested earlier to maintain current quality. **Topsoil moisture** was rated as 46 percent very short, 25 percent short, 28 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated as 41 percent very short, 35 percent short and 24 percent adequate. There were 6.2 days out of a possible 7 that were suitable for fieldwork. Main farm activities last week included topping, cutting or preparing to cut tobacco, spraying, and other general farm work.

ROW CROPS: Continued hot and mostly dry conditions accelerated progression of the corn crop this past week. Corn dough advanced to 80 percent, ahead of the 51 percent for 2009 and the five year average of 67 percent. Almost two-thirds of the corn (66 percent) has reached the dent stage. Last year it was 29 percent and the average was 43 percent. Condition of the corn crop was rated 8 percent very poor, 20 percent poor, 34 percent fair, 30 percent good, and 8 percent excellent. Ninety-two percent of soybeans have bloomed, compared to 84 percent for last year and the five year average. Soybeans that have set pods were at 81 percent, well ahead of the 61 percent a year ago and the average of 63 percent. Soybean crop conditions were reported as 13 percent very poor, 19 percent poor, 38 percent fair, 22 percent good, and 8 percent excellent. Some of the double-cropped soybeans may be cut for hay instead of beans if conditions do not improve.

TOBACCO: Tobacco harvest was off to a good start in Kentucky. As of August 15, 11 percent of the dark tobacco and 15 percent of the burley was cut. In 2009, harvest of dark tobacco was just beginning and 10 percent of the burley was cut, with an average of 7 and 12 percent, respectively. About 90 percent of the dark tobacco has been topped, compared to 79 percent for last year and the five year average. Burley was at 72 percent topped, which was more than the 64 percent topped a year

ago and 65 percent for the average. Tobacco conditions in the field were reported as 2 percent very poor, 11 percent poor, 26 percent fair, 42 percent good and 19 percent excellent.

OTHER CROPS AND PASTURE: Pastures were rated as 14 percent very poor, 22 percent poor, 24 percent fair, 32 percent good, and 8 percent excellent. Livestock have been stressed by the heat and humidity. In some areas, farmers have fed hay due to deteriorating pasture conditions. Hay crop condition was rated 8 percent very poor, 14 percent poor, 23 percent fair, 42 percent good, and 13 percent excellent.

CROP PROGRESS for week ending 08/15/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Dough	80	59	51	67
Corn Dent	66	42	29	43
Soybeans Blooming	92	87	84	84
Soybeans Setting Pods	81	64	61	63
Burley Tobacco Topped	72	55	64	65
Burley Tobacco Cut	15	NA	10	12
Dark Tobacco Topped	90	73	79	79
Dark Tobacco Cut	11	NA	0	7

SOIL MOISTURE for week ending 08/15/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	46	25	28	1
Subsoil	41	35	24	0

CROP CONDITIONS for week ending 08/15/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	8	20	34	30	8
Soybeans	13	19	38	22	8
Pasture	14	22	24	32	8
Hay Crops	8	14	23	42	13
Tobacco	2	11	26	42	19

KENTUCKY WEATHER SUMMARY, AUGUST 9 - 15, 2010:

Above Normal Temperature and Above Normal Rainfall:

This past week was another very hot week; with most locations having heat index values over 100 degrees almost everyday. In fact the average temperature recorded this past week was the highest recorded all year. The heat and humidity put livestock heat stress in the emergency category multiple times all across the Commonwealth. Rain came in the form of scattered showers and thunderstorms during the week, and was enough to put the state as a whole above normal. Even the west received above normal rainfall, which had not happened for the past 7 weeks.

Temperatures for the period averaged 84 degrees across the state which was 9 degrees above normal and 5 degrees warmer than the previous week. High temperatures averaged from 98 in the West to 93 in the East. Departure from normal high temperatures ranged from 10 degrees above normal in the West to 8 degrees above normal in the East. Low temperatures averaged from 74 degrees in the West to 70 degrees in the East. Departure from normal low temperature ranged from 9 degrees above normal in the West to 7 degrees above normal in the East.

Rainfall for the period totaled 1.22 inches statewide which was 0.38 inches above normal. Rainfall totals by climate division, West 1.18 inches, Central 1.39 inches, Bluegrass 0.70 inches and East 1.60 inches, which was +0.39, +0.54, -0.15 and +0.73 inches respectively from normal. By station, rainfall totals ranged from a low of 0.00 inches at Berea to a high of 4.71 inches at Mayfield.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, AUGUST 15, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	1.27	21.52	5.69	+2.61	+1.69	94	68	82.6	+8	201	2976	+462
Berea	0.00	22.73	2.34	+3.36	-1.44	94	61	80.8	+7	191	2818	+227
Bowling Green	1.24	26.19	4.67	+6.32	+0.98	101	72	86.3	+12	211	3149	+528
Bristol	1.32	10.78	2.64	-5.81	-0.71	96	64	82.2	+8	194	2841	+449
Buckhorn Lake	2.22	18.00	4.08	-0.62	+0.28	94	62	80.4	+6	192	2753	+482
Cape Girardeau	0.39	16.45	1.36	-1.87	-1.81	102	71	85.4	+9	207	3146	+387
Campbellsville	0.69	26.55	6.05	+4.88	+1.59	94	66	81.7	+7	197	2905	+344
Covington	0.65	18.13	2.35	+0.40	-1.05	97	65	83.4	+9	200	2818	+455
Cumberland Gap	1.06	19.11	4.09	-1.41	-0.22	94	65	82.1	+8	199	2929	+567
Dix Dam	1.30	24.23	5.36	+4.75	+1.39	96	66	83.1	+9	200	2894	+365
Evansville	0.03	12.71	1.29	-5.09	-1.91	101	71	87.1	+11	213	3080	+458
Glasgow	2.23	23.68	7.21	+2.21	+3.03	95	70	83.1	+8	205	3046	+515
Grayson	1.90	25.47	5.06	+7.07	+1.21	94	62	80.6	+7	191	2755	+530
Hardinsburg	0.97	19.32	2.59	-0.25	-1.24	99	70	84.7	+10	204	2966	+345
Henderson	0.03	14.41	2.73	-3.81	-0.52	99	67	84.0	+7	198	2994	+342
Huntington	1.73	22.84	5.79	+4.44	+1.82	95	63	81.6	+8	197	2863	+470
Jackson	1.94	20.70	2.98	+1.11	-1.16	97	65	82.0	+8	196	2905	+634
Lexington	0.62	23.51	3.46	+4.60	-0.54	96	68	83.5	+10	204	2895	+502
London	1.25	18.46	4.39	+0.30	+0.79	95	65	81.9	+8	198	2905	+543
Louisville	1.05	23.05	4.45	+4.52	+0.85	100	73	88.3	+14	222	3273	+636
Mayfield	4.71	17.51	5.79	-2.26	+2.05	99	71	84.6	+8	207	3117	+435
Nashville	0.59	33.01	3.52	+14.55	+0.18	99	73	86.1	+11	213	3245	+441
Nolin Lake	1.57	23.91	6.69	+3.12	+2.76	96	69	82.6	+8	200	2939	+516
Paducah	0.49	13.29	0.60	-6.52	-2.77	104	70	86.8	+10	208	3179	+451
Princeton	1.45	22.82	2.25	+2.98	-1.49	102	70	86.1	+10	208	3112	+415
Quicksand	1.59	17.80	3.23	-1.79	-0.91	97	62	81.9	+8	192	2862	+591
Somerset	1.11	24.82	6.72	+4.37	+2.77	94	65	81.1	+7	194	2856	+403
Spindletop	1.38	22.11	4.05	+3.20	+0.05	97	68	83.6	+10	204	2900	+507
Williamstown	0.28	20.71	1.94	+2.05	-1.76	95	65	82.1	+8	196	2794	+401

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>